

p7.5tk

7.5 k promoter

Not I

Apa I

GGCCAAAATTGAAAACCTAGATCTATTATTGCACCGCGGCCGCCCATG GGC CCG GCC GCC ARC GGC GGA
Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence



pE/Ltk

synthetic E/L promoter

Not I

Apa I

GGCCAAAATTGAAAATTTTATTTTTTTTGGATATATAAGCGGCCGCCCATG GGC CCG GCC GCC ARC GGC GGA
Met Gly Pro Ala Ala Asn Gly Gly

tk coding sequence



FIG. 1

1. p7.5tk

7.5K PROMOTER NOTI APAI
 5'- GGCCAAAAATTGAAAAAAGTAGATCTATTTATTGACACGGGCCGCCATGGGCCCGGCC -3'

2. p7.5/ATG0/tk

7.5K PROMOTER NOTI BAMHI SMAI PSTI
 5'- GGCCAAAAATTGAAAAAAGTAGATCTATTTATTGACACGGGCCGCCGTGGATCCCCGGGCTGCAGGAA

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TRANSLATION TRANSCRIPTION
 SALI STOP CODONS STOP SIGNAL
 TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGGGCCTAACTAACTAATTTGTTTGT

APAI

GGGCCCGGCC -3'

FIG. 2

3. p7.5/ATG1/tk

	START			
	7.5K PROMOTER	NOTI	CODON BAMHI	SMAI PSTI
5'-	GGCCAAAATTGAAAACTAGATCTATTATTGCACGCGGCGGCCATG ^{GTGGATCCCCCGGGCTGCAGGAA}			

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	TRANSLATION	TRANSCRIPTION
	STOP CODONS	STOP SIGNAL
	TTCGATATCAAGCTTATCGATACCCGTCGACCTCGAGGGGGGCCCTAACTAACTAATTTGTTTGT	

APAI

GGGCCCGGCC -3'

FIG. 2 (cont.)

4. p7.5/ATG2/tk

		START			
7.5K PROMOTER	NOTI	CODON	BAMHI	SMAI	PSTI
5'- GGCCAAAATTGAAAACTAGATCTATTTATTGCACGGCGCGGCCcATGAGTGGATCCCCCGGGCTGCAGGAA					

TRANSLATION TRANSCRIPTION

STOP CODONS STOP SIGNAL

SALI

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TTCGATATCAAGCTTATCGATAACCGTCTCGACCTCGAGGGGGGCCCTAACTAAATTTGTTTGT

APAI

GGGCCCCGGCC -3'

FIG. 2 (cont.)

5. p7.5/ATG3/tk	START				
	7.5K PROMOTER	NOTI	CODON	BAMHI SMAI	PSTI
5'- GGCCAAAATTGAAAAGTAGATCTATTATTGCACGGGGCCGCCATGACGTGGATCCCCGGGCTGCAGGAA					
			TRANSLATION	TRANSCRIPTION	
			STOP CODONS	STOP SIGNAL	
	SALI				5/18
TTCGATATCAAGCTTATCGATACCGTCGACCTCGAGGGGGCCCTAACTAACTAATTTGTTTGT					
APAI					
GGGCCCCGGCC -3'					

FIG. 2 (cont.)

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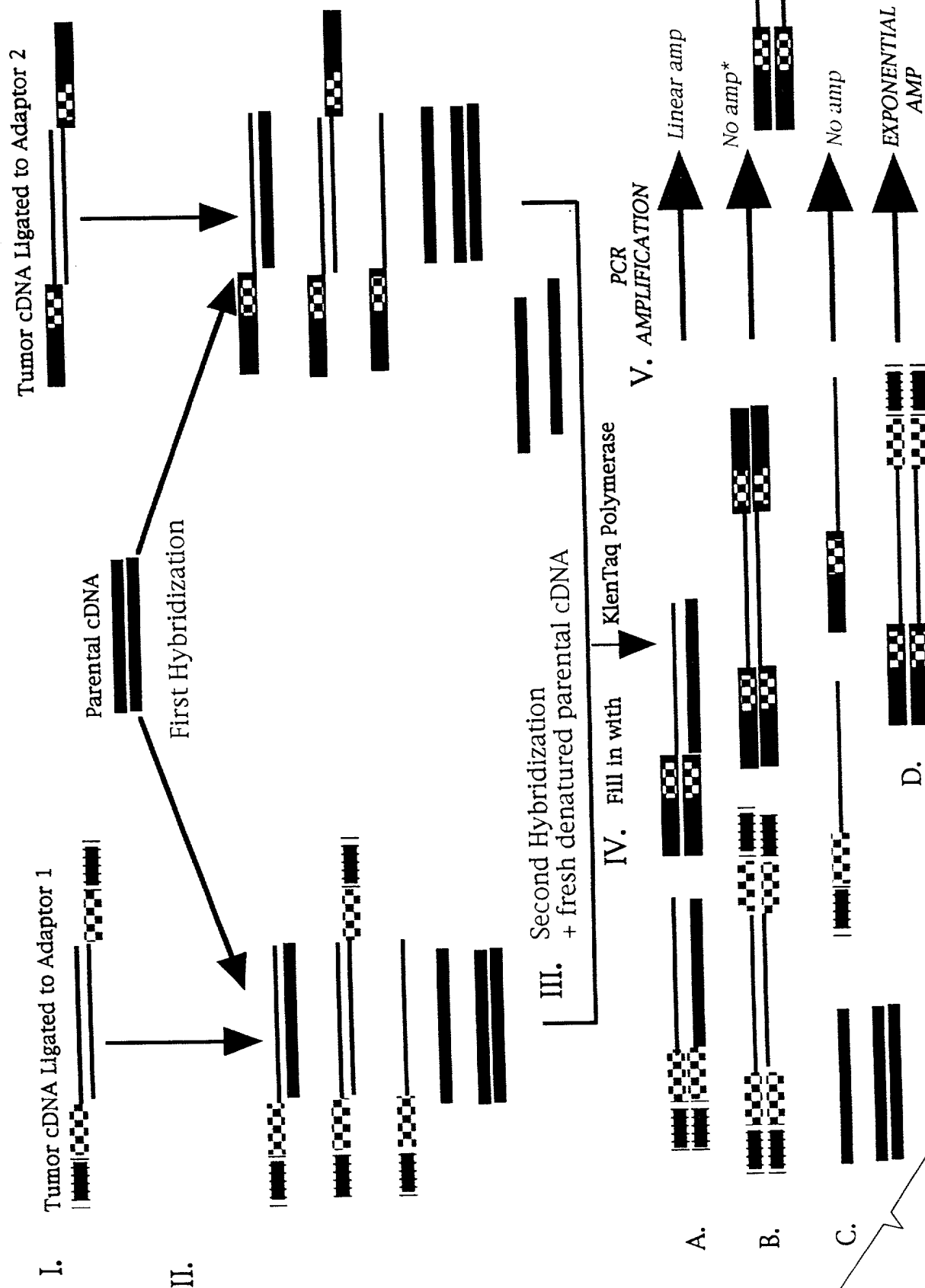


FIG. 3

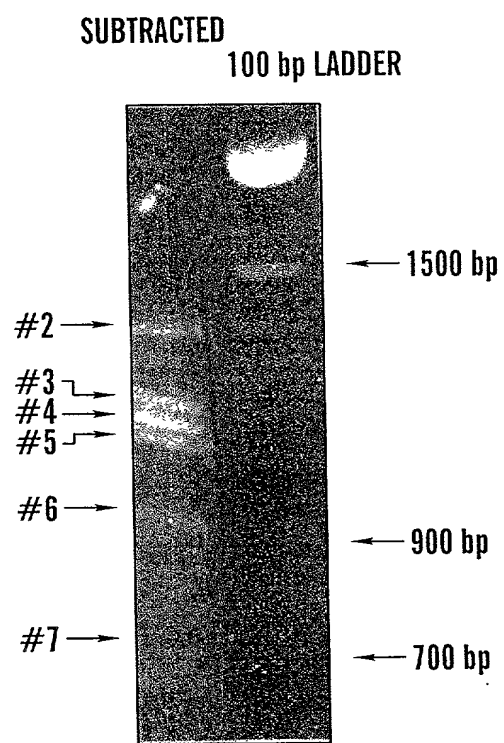


FIG. 4

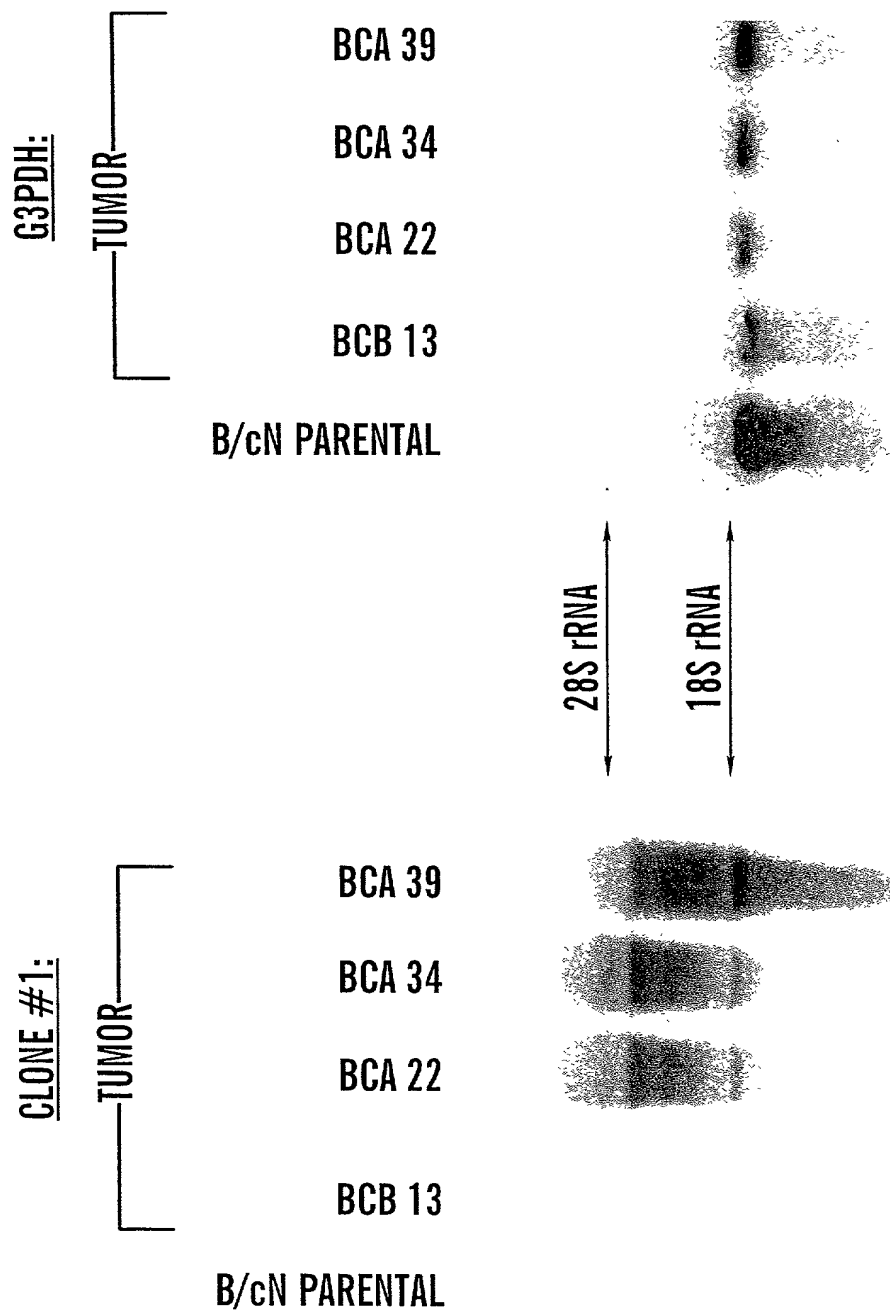


FIG. 5

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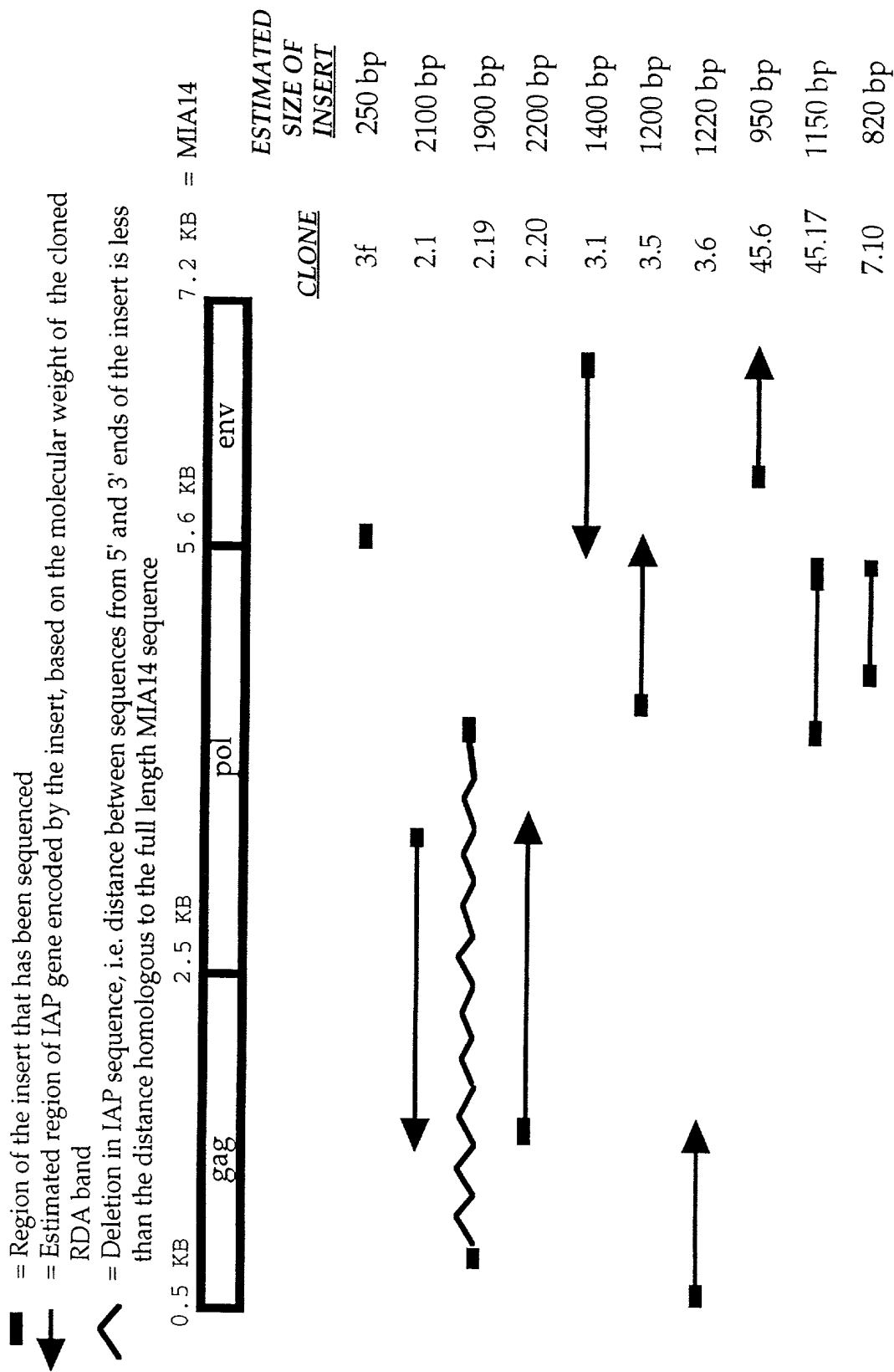


FIG. 6

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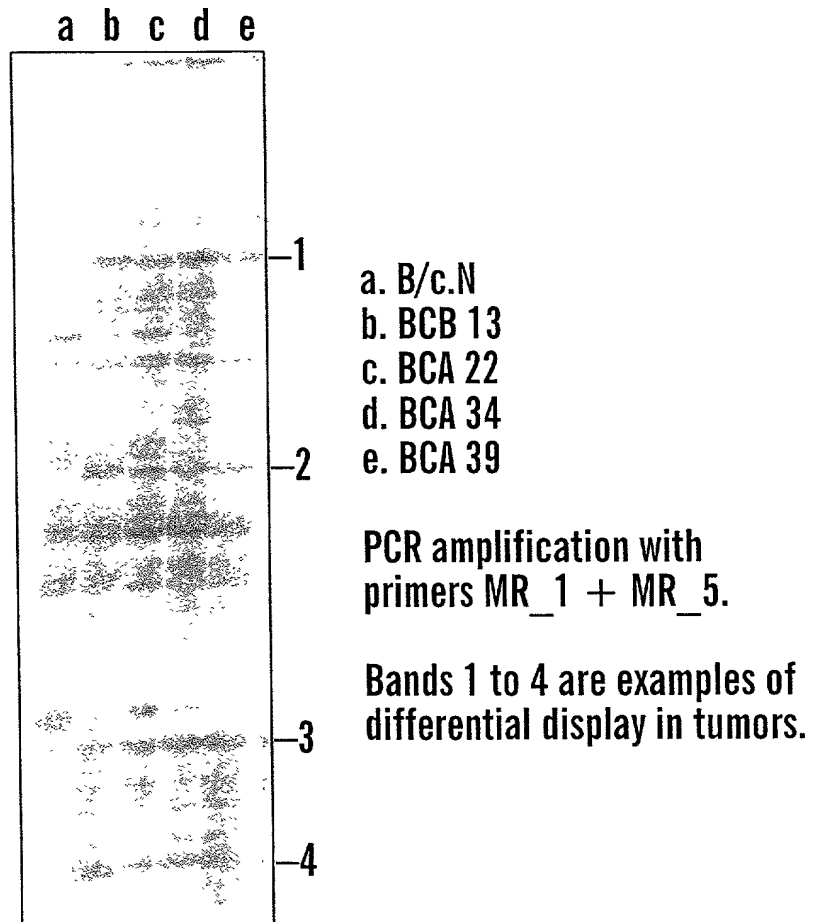


FIG. 7

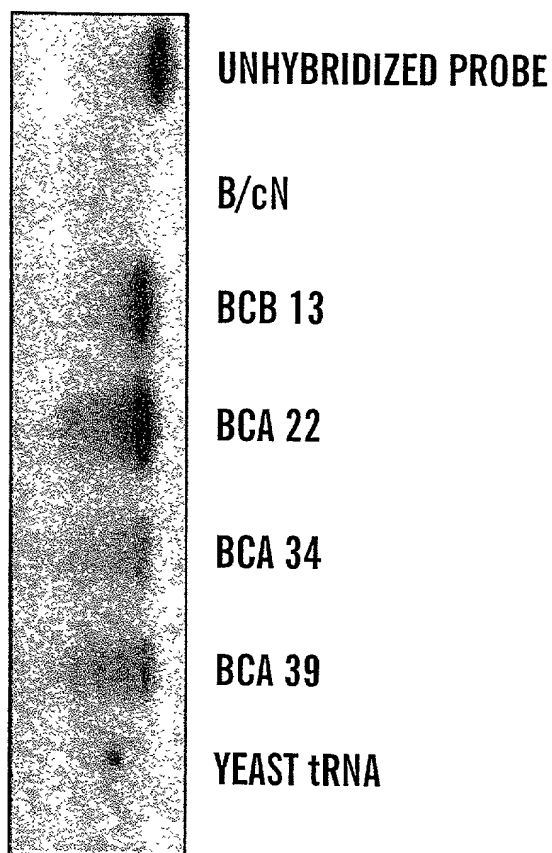


FIG. 8A

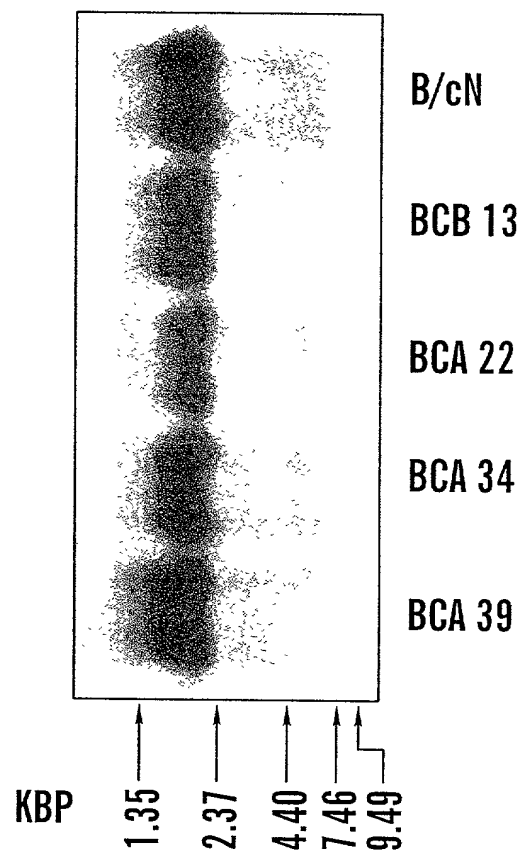


FIG. 8B

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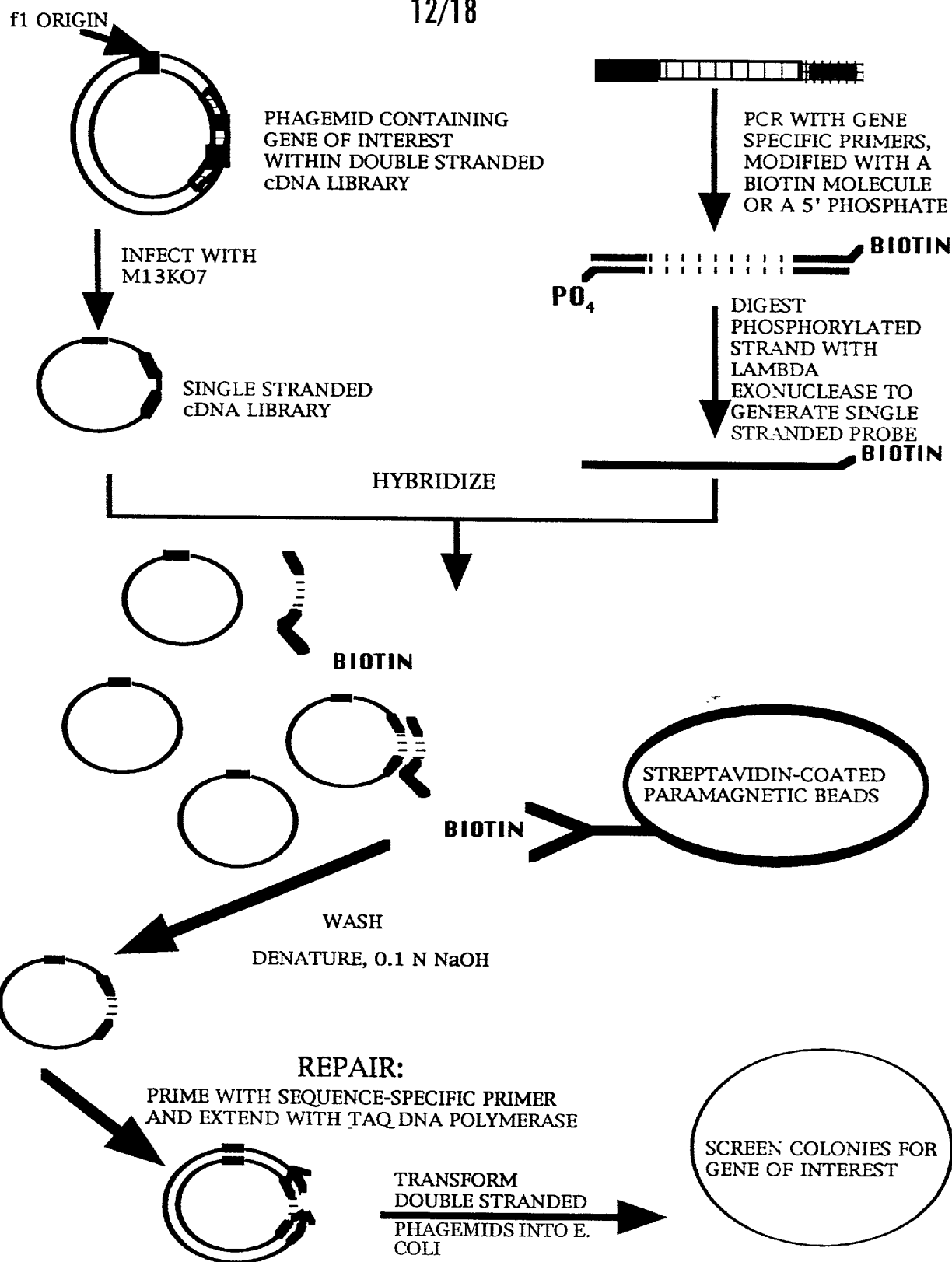


FIG. 9

2004090504000

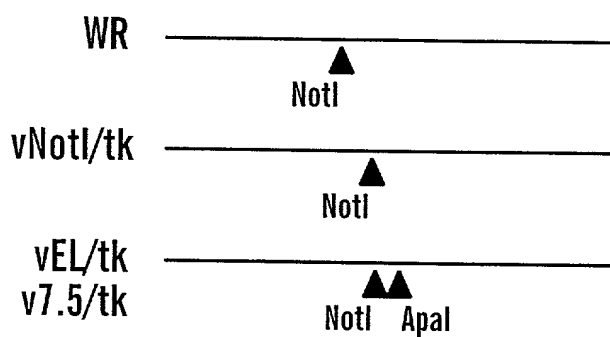
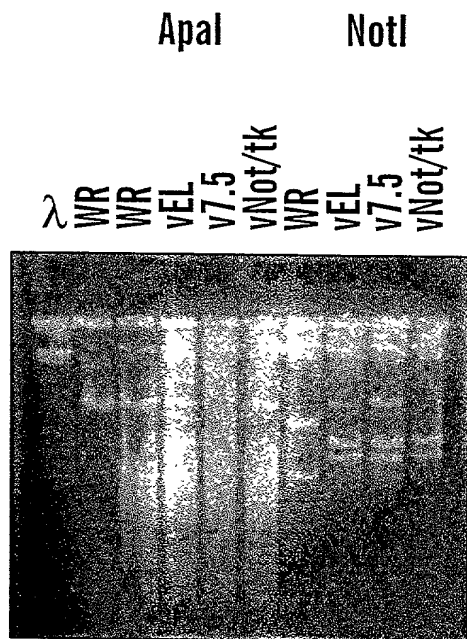


FIG. 10

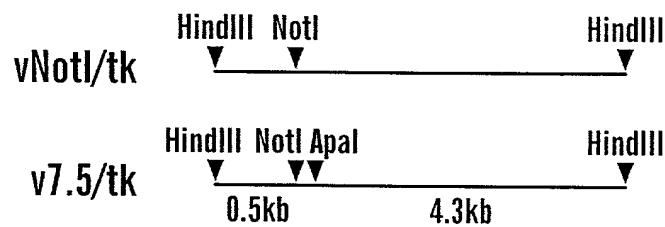
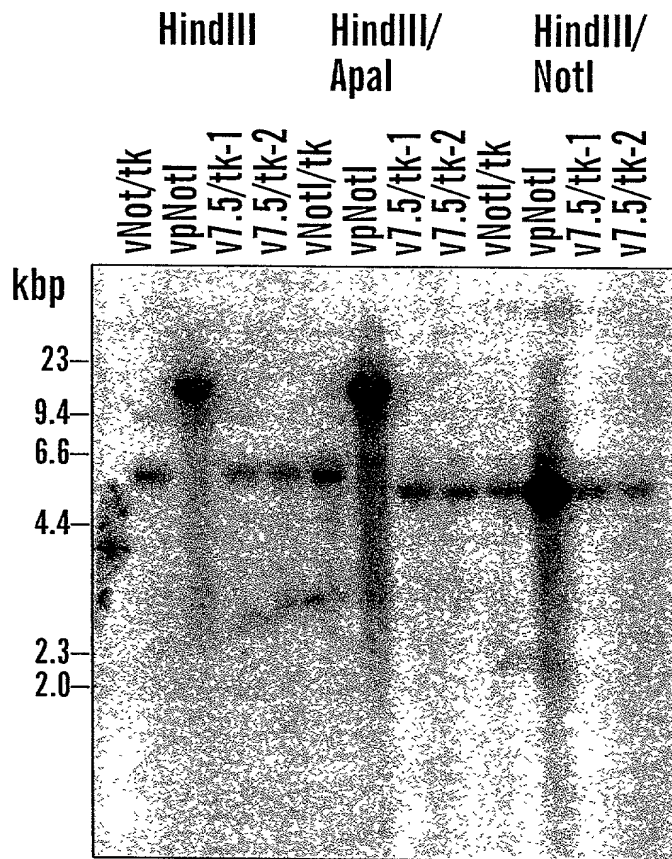


FIG. 11A

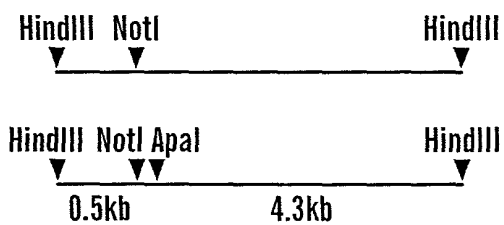
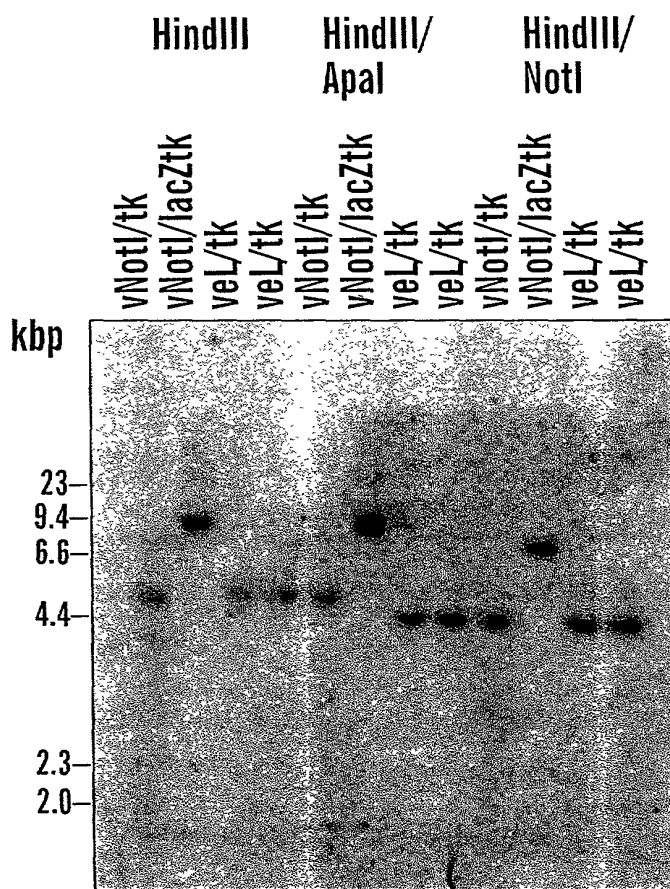


FIG. 11B

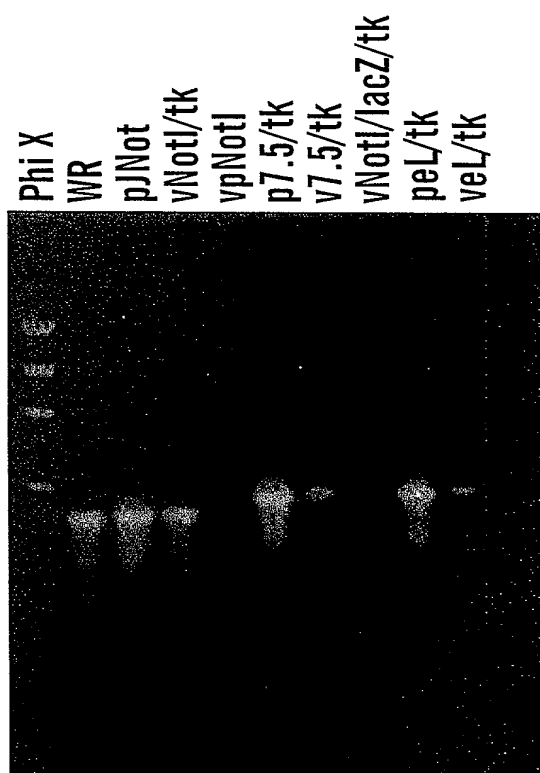
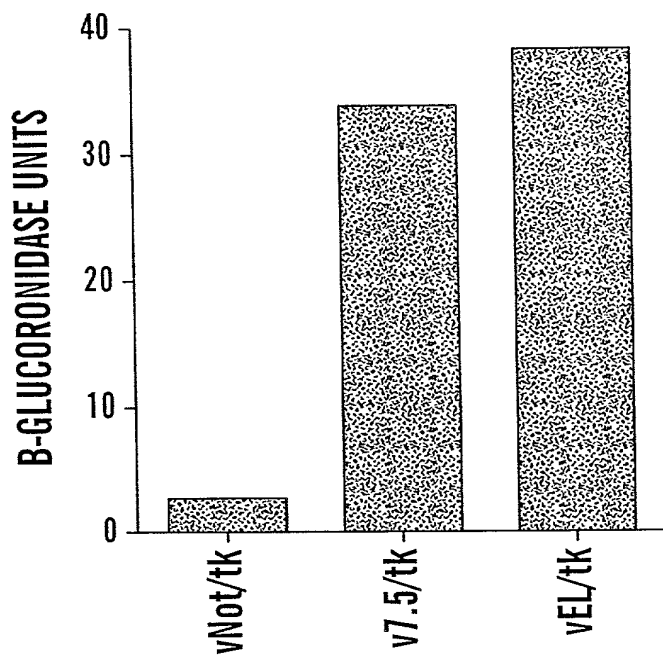


FIG. 12

**FIG. 13**

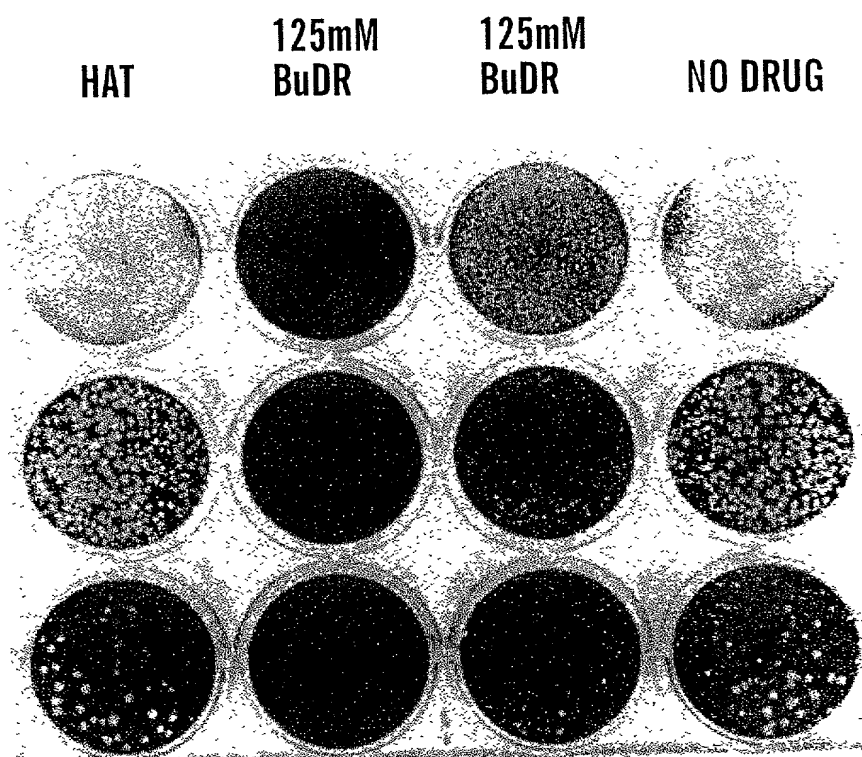


FIG. 14